



K. Stoeckigt – VC scenarios at MPG and IPP



VC scenarios at Max-Planck Gesellschaft and IPP

K. Stoeckigt

Computing Center Garching (RZG)
Max-Planck-Gesellschaft (MPG) &
Max-Planck-Institute for Plasmaphysics (IPP)

kewin.stoeckigt@rzg.mpg.de

K. Stoeckigt (kewin.stoeckigt@rzg.mpg.de)



Where am I ?



- 19312km south-east of Garching
- “City of Sails”
- Home of Middle-earth
- “Gods own country”
- Aotearoa

Auckland, Neu Seeland



Scenario I – Desktop solution

- ViaVideo & Tandberg 1000
 - What is important
 - Data, Application and Presentation
 - Quality is very important (Data are e.g. statistics, graphs, etc.)
 - Audio and Video
 - Quality is important but more less than Data, Application and Presentation
 - Users and User groups
 - Developer (e.g. XDV group)
 - Physicist
 - Management (90% use Tandberg 1000; e.g. Praesidentenrunde)
 - Frequency
 - Up to one or two times a day
 - Acceptance
 - Quality and Usability of ViaVideo and Tandberg 1000 is widely accepted (P2P, Multipoint (internal MCU/DFN MCU))
 - Not everything is perfect, but it is getting better and better each day



Scenario II – Room systems

- Tandberg 500/550/800/880
 - What is important
 - Data, Application and Presentation
 - Right now not widely used, therefore Quality is not so important
 - Audio and Video
 - It is expected that the audio and video quality is on a high level (H.263 and G.722) even in multipoint conferences
 - User and User groups
 - Upper and top management (ISDN is as a worst case scenario and backup option available on each system)
 - Group meetings (e.g. RZG staff meeting each Monday, XDV project meetings, other meetings)
 - Frequency
 - daily
 - Acceptance
 - Offered solution is widely accepted (P2P, Multipoint (internal MCU/DFN MCU))
 - Systems are easy to use



Scenario III – Lecture Halls

- Tandberg 6000
 - What is important
 - Data, Application and Presentation Quality is as important as audio and video quality. It is expected, that a/v and Data (general) are transmitted on a high level (H.263, G.722, S-XGA, usw.)
 - Users and User groups
 - Several different users and user groups
 - Lecture halls are used to transmit colloquies, lectures and other events
 - Frequency
 - 2 to 4 times a week; usually between Garching and Greifswald
 - Other participants are possible
 - Acceptance
 - Quality is widely accepted
 - Lecture hall is operated by a technician



Overview – Why do we have 3 scenarios ?

Easy to use/implement concept – just 3 different scenarios

VC-Scenario	User/User groups	System	Costs (K€)	Manpower
Desktop systems	Scientists	ViaVideo, Tdb1000	0.6 - 10	O(w)
	Administration			
Room systems	Scientists	Tdb 500/550/ 800/880	≥ 50	O(m)
	Administration			
Lecture halls	Different groups	Tandberg 6000	≥ 150	O(y)



Examples

- Monday Meeting RZG (Garching, Greifswald)
- Monday Meeting AUG – EFDA
- Regular Meeting MM-Group (Garching, Auckland)
- Regular Meeting “Praesidentenrunde” (Munich (2x), Saarbruecken, Goettingen, Heidelberg)
- Several Meetings with participants in Budapest, Padua, Chaderache, JET, etc.



Acknowledgement

- Acknowledgement
 - Dr. U. Schwenn, P.H. Pflüger, MPG
 - Dr. H. Pfeiffenberger, AWI
 - J. Hornung et al., DFNVC
 - C. Fleck et al., VCC Dresden